

CLAIMS:

1. A method of operating an electrostatographic printing apparatus, the apparatus including a charge-retentive member defining an imaging surface and a charging device for placing a charge on the imaging surface, comprising the steps of:

providing a power supply to apply a bias to said bias charging roll;
and

applying a bias to said bias charging roll, said applying includes applying a burst modulated waveform to said bias charging roll.

2. The method of claim 1, wherein the applying includes generating a burst frequency for said burst modulated waveform.

3. The method of claim 2, wherein generating includes employing a DC offset from an AC waveform, in which said AC waveform of a first frequency is gated on and off at a second frequency.

4. The method of claim 3, wherein the generating includes fixing a burst rate to constant frequency and varying a carrier frequency.

5. The method of claim 3, wherein the generating includes fixing a carrier frequency to constant frequency and varying a burst rate.

6. The method of claim 2, wherein the generating includes modifying a waveform selected from the group consisting of sinusoidal, rectangular, and triangular.

7. The method of claim 4, wherein the generating includes employing a carrier frequency between 500 and 5000 Hertz.

8. The method of claim 3, wherein the generating includes employing a burst rate between 250 and 4000.

9. The method of claim 3, wherein the generating includes employing a AC voltage between 1000 Vpp and 3000 Vpp.

10. The method of claim 3, wherein the generating includes employing a duty cycle between 10% and 99%.